

said processing items described in the controller sheet, sequentially writes, in the file, necessary program descriptions corresponding to said read processing items, generates a controller, and generates an screen transition program consisting of said manager and said controller on the file

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CMD*
wherein said system provides information indicating the contents of a transaction and information indicating the status of a content of a transaction as well as information regarding a following content subsequent to the completion of a previous content.

REMARKS

Claims 1 and 4-8 have been amended. No claims have been canceled or added. Accordingly, claims 1-8 are currently pending in the application.

PRIORITY

Submitted herewith is a certified copy of the foreign priority document (JP No. 11-285331, filed October 6, 1999). Applicants request the Examiner to acknowledge the safe receipt of this document.

35 U.S.C. §103

Claims 1-8 stand rejected under 35 U.S.C. §103 for the reasons set forth on pages 2-7 of the Office Action. These rejections are traversed as follows.

The present invention is directed to a screen display control and transition method, and corresponding system, in which a series of transactions (such as a balance check operation) is managed and displayed for users of a Web-compatible ATM in HTML format. The claims have been amended to further define the table form of the present invention which includes information indicating the contents of a transaction and information indicating the status of contents of a transaction including information regarding subsequent content that follows completion of previous content. These features are exemplified in Figures 6 and 7, though not limited thereto. Claim 6 has been further amended to define the relationship between the manager and the controller.

Covert et al disclose an automated banking machine that conducts transactions in response to HTML documents and TCP-IP messages exchanged with a local computer system through an intranet, as well as in response to messages exchanged with foreign servers in a wide area network (see Abstract). Covert

et al do not disclose details of various types of information and structure relating to a transaction as defined in amended claim 1.

This deficiency in Covert et al is not overcome by resort to Powell. Powell merely discloses the general design and layout for an ATM, including a frame that includes a link and another frame that discloses a link to a destination. Powell does not disclose sharing when common reference information exists between two frames, as recited in claim 1, which includes the display of two frames and a common parent frame.

Ephrath et al disclose dynamic menu generation in a menu-driven computer system which uses a plurality of multilevel, hierarchical menus to access basic system capabilities if there is any error in the menu structure itself. If there is any error in the menu itself, such error cannot be saved. On the other hand, this description error can be saved because the system includes information indicating the contents of a transaction and information indicating the status of a content of a transaction and the following content subsequent to the completion of a previous content.

Kottler et al disclose the creation of active server pages (APS) and are not concerned with program generation using a manager and controller as in the present invention.

According to the present invention, screen transition is performed using a manager sheet and controller sheet. A file to be read by the browser is generated from the contents described by the manager sheet and the controller sheet. Kottler et al do not disclose any such program generation.

Finally, Greaves et al disclose real-time video processing for defining a circuit connection relationship and its function. This is completely different from the manager and controller of the present invention. No combination of references renders the present claim unpatentable.

REQUEST FOR INTERVIEW

Applicants request the Examiner to conduct an interview with the undersigned. Therefore, the Examiner is hereby invited to contact the undersigned by telephone to set up an appropriate time for the interview.

CONCLUSION

In view of the foregoing amendments and remarks, Applicants contend that the above-identified application is

now in condition for allowance. Accordingly, reconsideration and reexamination are respectfully requested.

Respectfully submitted,


Srinath Malur
Registration No. 34,663
Attorney for Applicants

MATTINGLY, STANGER & MALUR
1800 Diagonal Rd., Suite 370
Alexandria, Virginia 22314
(703) 684-1120
Date: October 16, 2002

MARKED UP VERSION OF REWRITTEN CLAIMS

1. (Amended) In [an information processing unit] a web compatible ATM by sequentially changing a series of image contents to display images on the screen, an image display control method and a system therefore, comprising the steps of:

generating separately image content information describing image content to display on said [information processing unit] web compatible ATM and screen transition process information describing an screen transition process to deal with said series of image contents;

forming an image displayed on said [information processing unit] web compatible ATM by a parent frame and two child frames included in said parent frame;

storing said image content information in one child frame which is to be displayed in a transaction in said Web compatible ATM and said screen transition process information in the other child frame which defines a transaction process of a series of transactions handled in said web compatible ATM; and

sequentially changing said series of image contents to display the images based on said screen transition process information.

4. (Amended) An screen transition method for executing an screen transition process in [an information processing unit] a web compatible ATM for sequentially changing a series of image contents to display images on the screen by the images, comprising the steps of:

describing in table form the processing items in the screen transition process, said screen transition process changing current image to the next one at the end of display of each individual image content of said series of image contents; [and]

sequentially reading the processing items described in table form and carrying out said screen transition process of said series of image contents; and

wherein said table form includes information indicating the contents of a transaction and information indicating the status of a content of a transaction and information regarding a following content subsequent to the completion of a previous content.

5. (Amended) An screen transition method for executing an screen transition process in [an information processing unit] a web compatible ATM for sequentially changing a series of image contents to display images on the screen, comprising the steps of:

generating content parts, each showing processing units, in the screen transition process and a manager sheet describing events in the content parts as processing items in table form;

generating a controller sheet describing the processing items in the screen transitions in said content parts in table form;

sequentially reading the processing items described in said manager sheet and generating a manager to control the flow of a series of processes corresponding to the read processing items;

sequentially reading the processing items described in said controller sheet and generating a controller to decide the next image corresponding to the read processing item;

[and]

operating said controller according to said manager to change the images; and

wherein said table form includes information indicating the contents of a transaction and information indicating the status of a content of a transaction and information regarding a following content subsequent to the completion of a previous content.

6. (Amended) An screen transition system for executing the screen transition process in [an information processing unit] a web compatible ATM sequentially changing a series of image contents to display images on the screen, comprising:

a plurality of unit-of-processing component parts, each having a unit-of-processing image storage containing a series of image contents for each specified unit of processing, and a controller, connected to said unit-of-processing image storage, for deciding the next screen transition; [and]

a manager, connected to said plurality of unit-of-processing component parts, for controlling the flow of one unit of processing, wherein the manager defines and manages the series of image contents which are further divided by the controller for more detailed definition and management; and

wherein said system includes information indicating the contents of a transaction and information indicating the

status of a content of a transaction as well as information regarding a following content subsequent to the completion of a previous content.

7. (Amended) An screen transition method for performing the screen transition process in [an information processing unit] a web compatible ATM sequentially changing a series of image contents to display images on the screen, comprising the steps of:

storing in a file a sheet describing the processing items of the screen transition process in table form and an screen transition program generator, wherein said screen transition program generator sequentially reads the processing items from said sheet, sequentially writes in the file necessary program descriptions corresponding to the read processing items, and generates an screen transition program on the file

wherein said method provides information indicating the contents of a transaction and information indicating the status of a content of a transaction as well as information regarding a following content subsequent to the completion of a previous content.

8. (Amended) A method for generating screen transitions to carry out the screen transition process in [an information processing unit] a web compatible ATM sequentially changing a series of image to carry out the screen transition process to display images on the screen, comprising the step of:

storing content parts in the screen transition process and a manager sheet describing in table form events that occur in the content part as processing items, and a controller sheet describing said processing items in the content part in table form and an screen transition program generator in a file, wherein said screen transition program generator sequentially reads said processing items described in the manager sheet, sequentially writes, in the file, necessary program descriptions corresponding to the read processing items, generates a manager, and sequentially reads said processing items described in the controller sheet, sequentially writes, in the file, necessary program descriptions corresponding to said read processing items, generates a controller, and generates an screen transition program consisting of said manager and said controller on the file

wherein said system provides information indicating the contents of a transaction and information indicating the

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status of a content of a transaction as well as information
regarding a following content subsequent to the completion of
a previous content.